

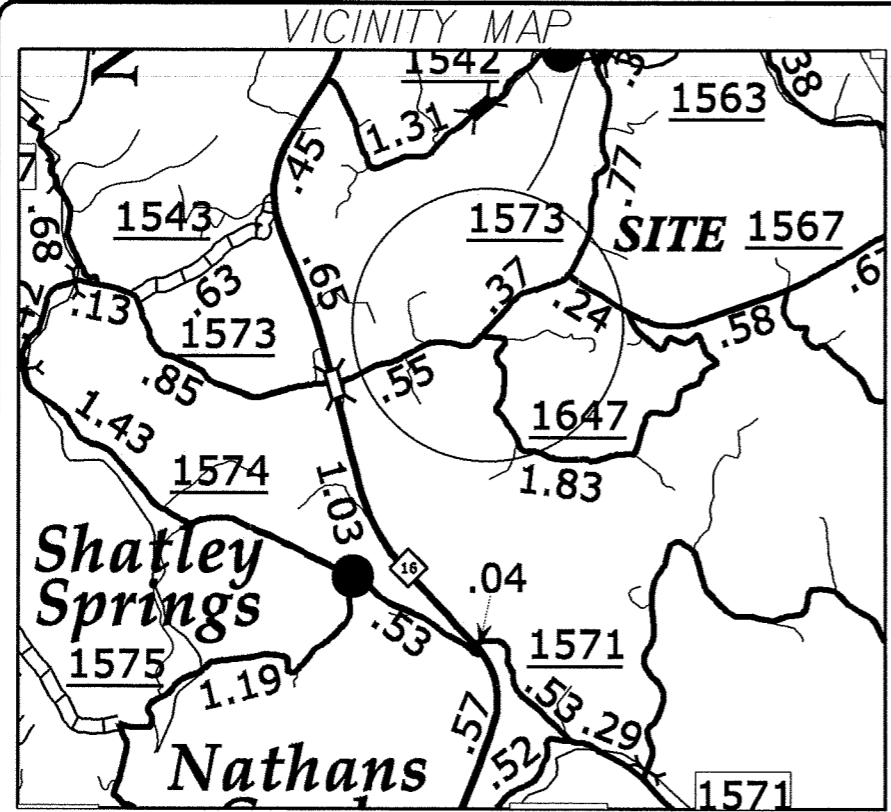
STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	SR 1573	1	10
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION	
11C.005136		CONSTRUCTION	

STATE OF NORTH CAROLINA  
DIVISION OF HIGHWAYS

**ASHE COUNTY**

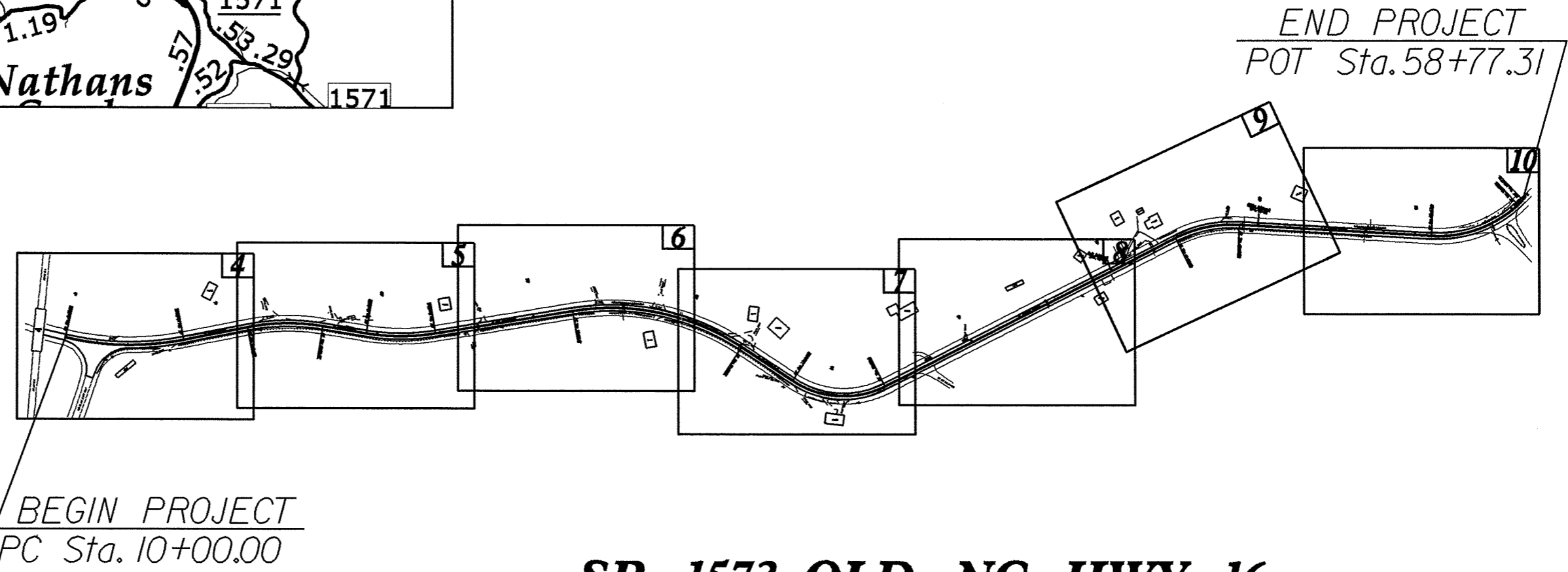
LOCATION: SR 1573 OLD NC HWY 16 - FROM SR 1573 N. OVERPASS RAMP RD.  
TO SR 1567 CHESTNUT HILL RD. BEING 0.92 MILE IN LENGTH.

TYPE OF WORK: GRADE, DRAINAGE, WIDENING AND RESURFACING



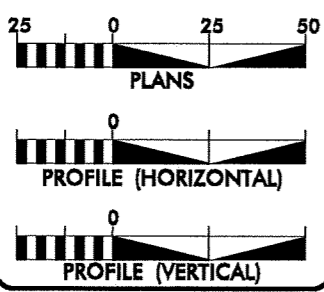
TIP PROJECT:

CONTRACT: 11-03-005-236



**SR 1573 OLD NC HWY 16**

GRAPHIC SCALES



DESIGN DATA

ADT =  
ADT =  
DHV = %  
D = %  
T = % \*  
V = MPH  
\* TTST = DUAL  
FUNC CLASS =

PROJECT LENGTH

PROJECT LENGTH \_\_\_\_\_ 0.92 MILE

PREPARED IN THE OFFICE OF:  
**DIVISION OF HIGHWAYS**  
709 STATESVILLE RD., NORTH WILKESBORO NC 28659

2012 STANDARD SPECIFICATIONS

RIGHT OF WAY DATE: MICHAEL A. PETTYJOHN, PE  
DIVISION ENGINEER

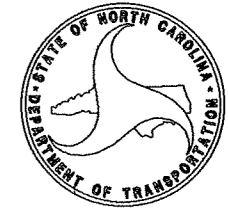
LETTING DATE: DOUG J. TETZLAFF  
DISTRICT ENGINEER

DRAWN BY:

A. L. ADAMS

FIELD WORK:

T. D. HAMILTON  
D. C. BROWN  
J. R. HODGES



16-MAR-2012 12:50 R:\New\_Rdy\_Post\_02132012\Ashe\_01d16\_EOP\01d16\_Rdy\_psh\_dist3\_031512.dgn AT BilCAD-251323

# CONVENTIONAL PLAN SHEET SYMBOLS

## BOUNDARIES AND PROPERTY:

State Line	-----
County Line	-----
Township Line	-----
City Line	-----
Reservation Line	-----
Property Line	-----
Existing Iron Pin	○
Property Corner	✕
Property Monument	□
Parcel/Sequence Number	②③
Existing Fence Line	-----
Proposed Woven Wire Fence	○
Proposed Chain Link Fence	□
Proposed Barbed Wire Fence	◇
Existing Wetland Boundary	-----
Proposed Wetland Boundary	-----
Existing Endangered Animal Boundary	-----
Existing Endangered Plant Boundary	-----
Known Soil Contamination: Area or Site	☠ ☠
Potential Soil Contamination: Area or Site	☠ ☠

## BUILDINGS AND OTHER CULTURE:

Gas Pump Vent or UG Tank Cap	○
Sign	○
Well	○
Small Mine	✕
Foundation	□
Area Outline	□
Cemetery	⊕
Building	□
School	□
Church	□
Dam	▬

## HYDROLOGY:

Stream or Body of Water	-----
Hydro, Pool or Reservoir	□
Jurisdictional Stream	-----
Buffer Zone 1	-----
Buffer Zone 2	-----
Flow Arrow	→
Disappearing Stream	-----
Spring	○
Wetland	-----
Proposed Lateral, Tail, Head Ditch	-----
False Sump	▽

## RAILROADS:

Standard Gauge	-----
RR Signal Milepost	○
Switch	□
RR Abandoned	-----
RR Dismantled	-----

## RIGHT OF WAY:

Baseline Control Point	◆
Existing Right of Way Marker	△
Existing Right of Way Line	-----
Proposed Right of Way Line	-----
Proposed Right of Way Line with Iron Pin and Cap Marker	-----
Proposed Right of Way Line with Concrete or Granite R/W Marker	-----
Proposed Control of Access Line with Concrete C/A Marker	-----
Existing Control of Access	-----
Proposed Control of Access	-----
Existing Easement Line	-----
Proposed Temporary Construction Easement	-----
Proposed Temporary Drainage Easement	-----
Proposed Permanent Drainage Easement	-----
Proposed Permanent Drainage / Utility Easement	-----
Proposed Permanent Utility Easement	-----
Proposed Temporary Utility Easement	-----
Proposed Aerial Utility Easement	-----
Proposed Permanent Easement with Iron Pin and Cap Marker	-----

## ROADS AND RELATED FEATURES:

Existing Edge of Pavement	-----
Existing Curb	-----
Proposed Slope Stakes Cut	-----
Proposed Slope Stakes Fill	-----
Proposed Curb Ramp	-----
Existing Metal Guardrail	-----
Proposed Guardrail	-----
Existing Cable Guiderail	-----
Proposed Cable Guiderail	-----
Equality Symbol	⊕
Pavement Removal	-----

## VEGETATION:

Single Tree	○
Single Shrub	○
Hedge	-----
Woods Line	-----

Orchard	○
Vineyard	□

## EXISTING STRUCTURES:

MAJOR:	
Bridge, Tunnel or Box Culvert	-----
Bridge Wing Wall, Head Wall and End Wall	-----
MINOR:	
Head and End Wall	-----
Pipe Culvert	-----
Footbridge	-----
Drainage Box: Catch Basin, DI or JB	□
Paved Ditch Gutter	-----
Storm Sewer Manhole	○
Storm Sewer	-----

## UTILITIES:

POWER:	
Existing Power Pole	●
Proposed Power Pole	○
Existing Joint Use Pole	●
Proposed Joint Use Pole	○
Power Manhole	⊕
Power Line Tower	⊗
Power Transformer	⊠
UG Power Cable Hand Hole	□
H-Frame Pole	-----
Recorded UG Power Line	-----
Designated UG Power Line (S.U.E.*)	-----

## TELEPHONE:

Existing Telephone Pole	●
Proposed Telephone Pole	○
Telephone Manhole	⊕
Telephone Booth	□
Telephone Pedestal	⊠
Telephone Cell Tower	⊗
UG Telephone Cable Hand Hole	□
Recorded UG Telephone Cable	-----
Designated UG Telephone Cable (S.U.E.*)	-----
Recorded UG Telephone Conduit	-----
Designated UG Telephone Conduit (S.U.E.*)	-----
Recorded UG Fiber Optics Cable	-----
Designated UG Fiber Optics Cable (S.U.E.*)	-----

## WATER:

Water Manhole	⊕
Water Meter	○
Water Valve	⊗
Water Hydrant	⊕
Recorded UG Water Line	-----
Designated UG Water Line (S.U.E.*)	-----
Above Ground Water Line	-----

## TV:

TV Satellite Dish	⊗
TV Pedestal	⊠
TV Tower	⊗
UG TV Cable Hand Hole	□
Recorded UG TV Cable	-----
Designated UG TV Cable (S.U.E.*)	-----
Recorded UG Fiber Optic Cable	-----
Designated UG Fiber Optic Cable (S.U.E.*)	-----

## GAS:

Gas Valve	◇
Gas Meter	○
Recorded UG Gas Line	-----
Designated UG Gas Line (S.U.E.*)	-----
Above Ground Gas Line	-----

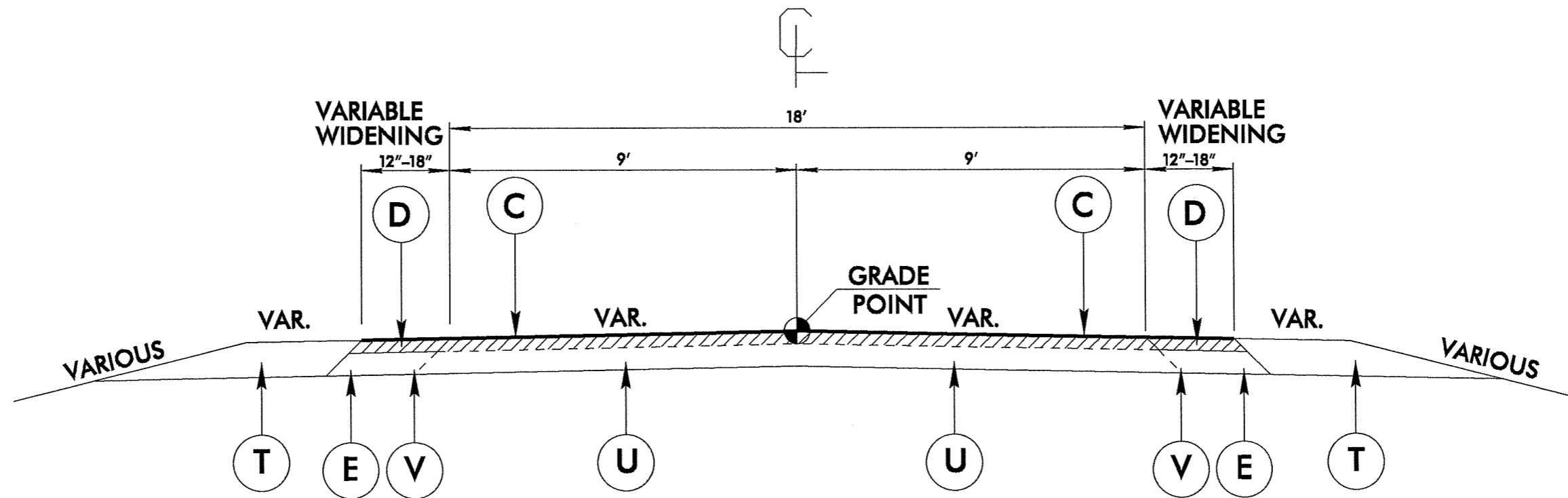
## SANITARY SEWER:

Sanitary Sewer Manhole	⊕
Sanitary Sewer Cleanout	⊕
UG Sanitary Sewer Line	-----
Above Ground Sanitary Sewer	-----
Recorded SS Forced Main Line	-----
Designated SS Forced Main Line (S.U.E.*)	-----

## MISCELLANEOUS:

Utility Pole	●
Utility Pole with Base	□
Utility Located Object	○
Utility Traffic Signal Box	⊠
Utility Unknown UG Line	-----
UG Tank; Water, Gas, Oil	□
Underground Storage Tank, Approx. Loc.	⊕
A/G Tank; Water, Gas, Oil	□
Geoenvironmental Boring	⊕
UG Test Hole (S.U.E.*)	⊕
Abandoned According to Utility Records	AATUR
End of Information	E.O.I.

# TYPICALS AND PAVEMENT SCHEDULES

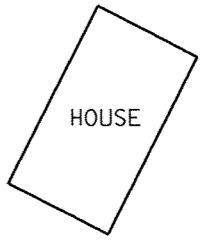


**TYPICAL SECTION**

C	PROP. APPROX. 1½" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD.
D	PROP. APPROX. 2" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE I19.0B, AT AN AVERAGE RATE OF 399 LBS. PER SQ. YD.
E	PROP. APPROX. 5.5" ASPHALT CONCRETE BASE COURSE, TYPE B25.0B, AT AN AVERAGE RATE OF 114 LBS. PER SQ. YD. PER 1" DEPTH. TO BE PLACED IN LAYERS NOT LESS THAN 3" IN DEPTH OR GREATER THAN 5½" IN DEPTH.
T	PROPOSED SHOULDER MATERIAL
U	EXISTING PAVEMENT.
V	MILLING EXISTING SHOULDER MATERIAL- 5.5" DEPTH.

NOTE: MILLED SECTION TO BE REFILLED WITH B25.0B BASE MATERIAL DAILY

PROJECT REFERENCE NO. SR 1573	SHEET NO. 4
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER



15

PT Sta. 13+78.98

N 63° 51' 44.1" E

20'

20' x 15" HDPE

BEGIN PROJECT  
PC Sta. 10+00.00

BEGIN REESTABLISHMENT OF EXISTING DRAINAGE DITCH AT Sta. 10+85.00

GRAVEL DRIVE

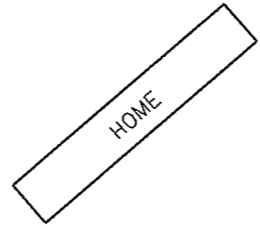
GRAVEL DRIVE

BRIDGE #30

NC HWY 16 N

NC HWY 16 N

SR 1573 N.OVERPASS RAMP RD.



-L-  
 PI Sta 11+92.34  
 $\Delta = 24^{\circ} 07' 35.8''$  (LT)  
 $D = 6^{\circ} 21' 58.3''$   
 $L = 378.98'$   
 $T = 192.34'$   
 $R = 900.00'$

EROSION CONTROL NOTES  
 1) INTERIM VELOCITY CONTROL TO BE DETERMINED IN FIELD BY ENGINEER,  
 2) SCD-SEDIMENT CONTROL DEVICE LOCATIONS ARE DETERMINE ON PLANS. SPECIFIC DEVICE TO BE DETERMINED BY ENGINEER IN FIELD.  
 3) SEE PLANS FOR DITCHLINER REQUIREMENTS.

MATCHLINE SEE SHEET 5

REVISIONS

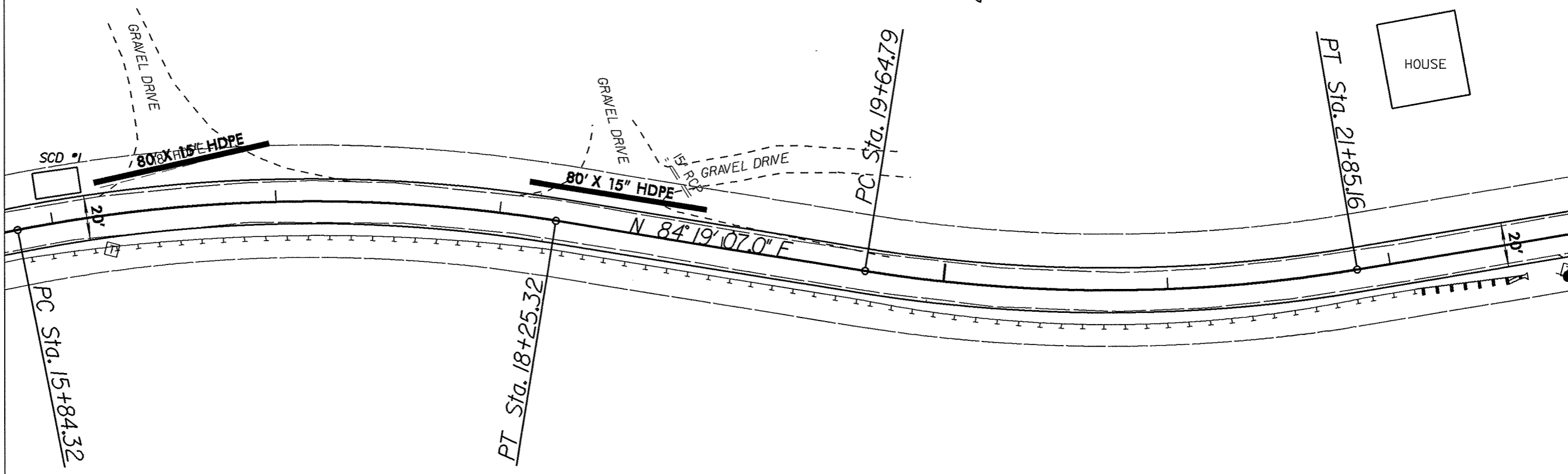
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PROJECT REFERENCE NO. SR 1573	SHEET NO. 5
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER



MATCHLINE SEE SHEET 4

MATCHLINE SEE SHEET 6



REVISIONS

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-L-

PI Sta 17+06.12	PI Sta 20+75.96
$\Delta = 20^{\circ} 27' 23.0'' (RT)$	$\Delta = 18^{\circ} 42' 20.1'' (LT)$
$D = 8^{\circ} 29' 17.7''$	$D = 8^{\circ} 29' 17.7''$
$L = 241.00'$	$L = 220.37'$
$T = 121.79'$	$T = 111.17'$
$R = 675.00'$	$R = 675.00'$

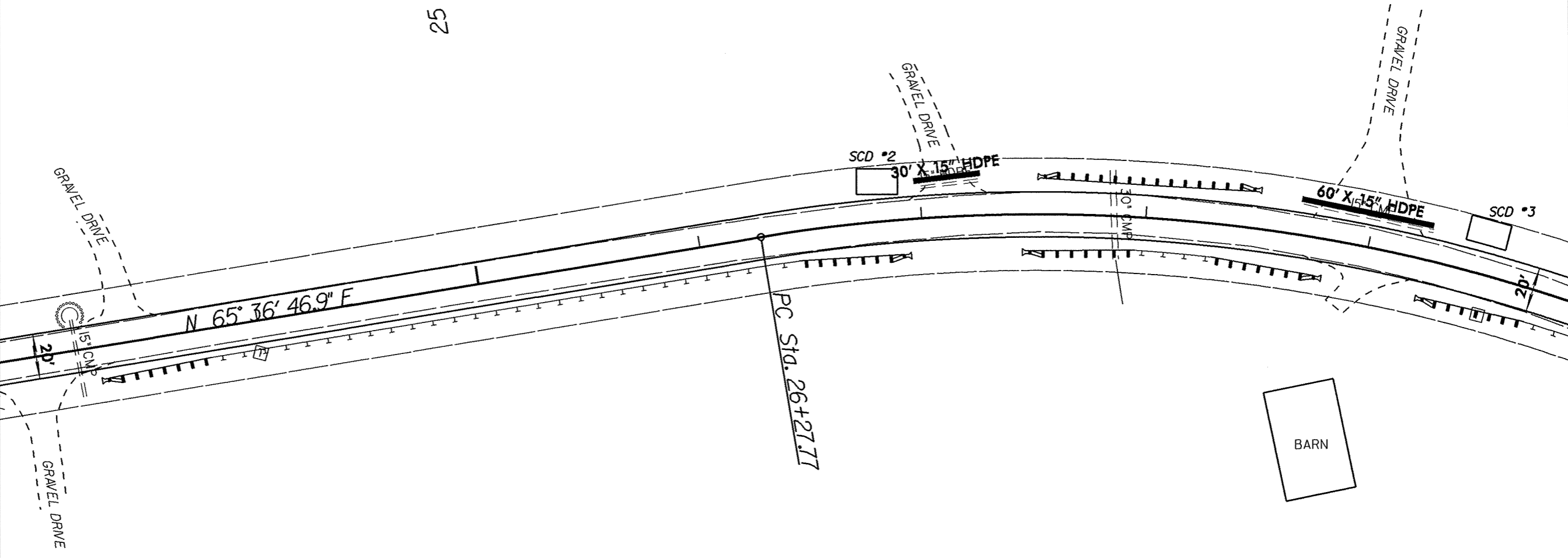
**EROSION CONTROL NOTES**  
 1) INTERIM VELOCITY CONTROL TO BE DETERMINED IN FIELD BY ENGINEER,  
 2) SCD-SEDIMENT CONTROL DEVICE LOCATIONS ARE DETERMINE ON PLANS. SPECIFIC DEVICE TO BE DETERMINED BY ENGINEER IN FIELD.  
 3) SEE PLANS FOR DITCHLINER REQUIREMENTS.

PROJECT REFERENCE NO. SR 1573	SHEET NO. 6
BY SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER



MATCHLINE SEE SHEET 5

MATCHLINE SEE SHEET 7



-L-

$PI\ Sta\ 29+22.59$   
 $\Delta = 42^\circ 55' 09.8'' (RT)$   
 $D = 7^\circ 38' 22.0''$   
 $L = 561.81'$   
 $T = 294.82'$   
 $R = 750.00'$

**EROSION CONTROL NOTES**  
 1) INTERIM VELOCITY CONTROL TO BE DETERMINED IN FIELD BY ENGINEER,  
 2) SCD-SEDIMENT CONTROL DEVICE LOCATIONS ARE DETERMINE ON PLANS. SPECIFIC DEVICE TO BE DETERMINED BY ENGINEER IN FIELD.  
 3) SEE PLANS FOR DITCHLINER REQUIREMENTS.

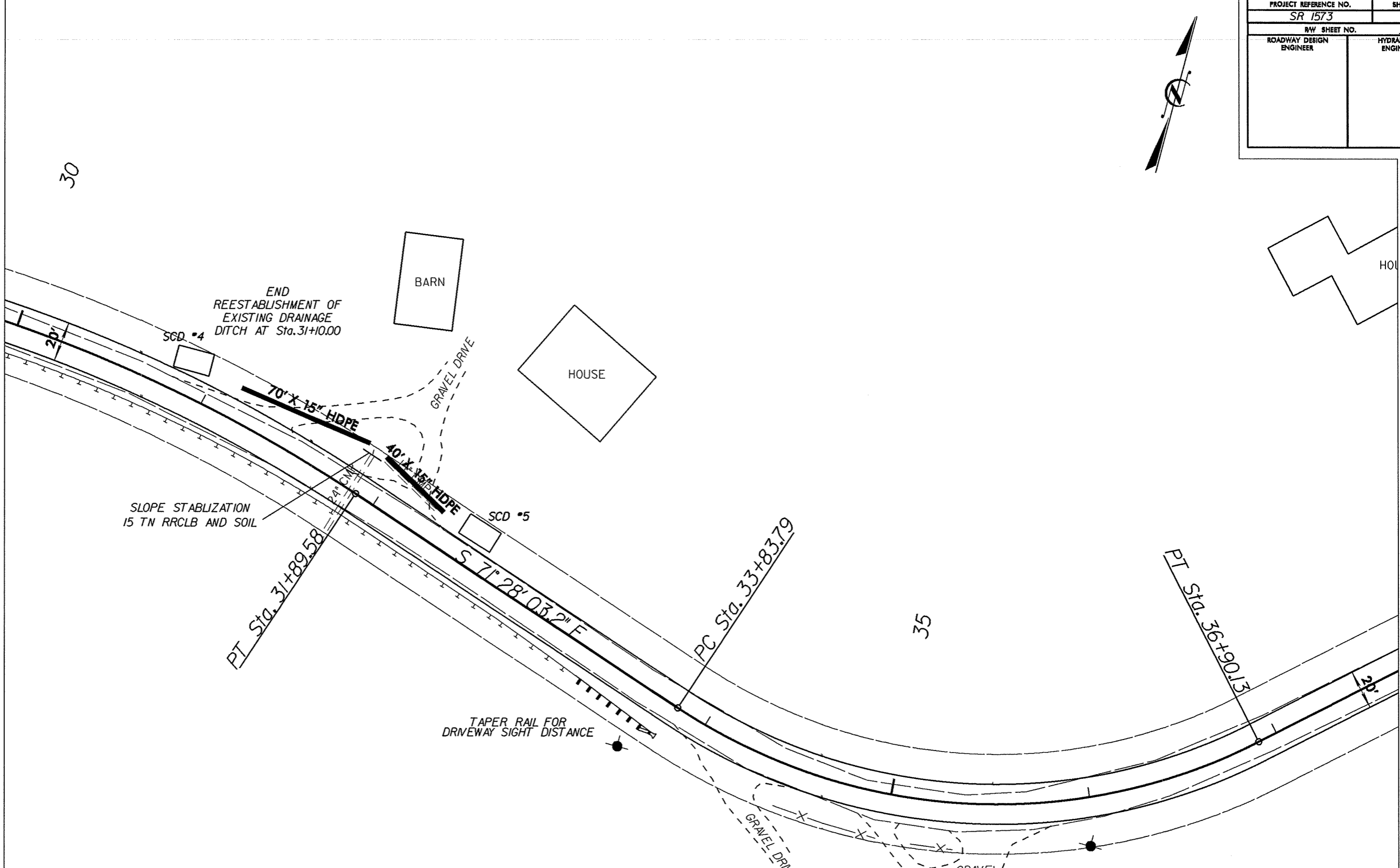
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PROJECT REFERENCE NO. SR 1573	SHEET NO. 7
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER



MATCHLINE SEE SHEET 6

MATCHLINE SEE SHEET 8



END REESTABLISHMENT OF EXISTING DRAINAGE DITCH AT Sta. 31+10.00

SLOPE STABILIZATION 15 TN RRCLB AND SOIL

TAPER RAIL FOR DRIVEWAY SIGHT DISTANCE

**EROSION CONTROL NOTES**  
 1) INTERIM VELOCITY CONTROL TO BE DETERMINED IN FIELD BY ENGINEER,  
 2) SCD-SEDIMENT CONTROL DEVICE LOCATIONS ARE DETERMINE ON PLANS. SPECIFIC DEVICE TO BE DETERMINED BY ENGINEER IN FIELD.  
 3) SEE PLANS FOR DITCHLINER REQUIREMENTS.

-L-

PI Sta	35+53.00
$\Delta$	= 60° 31' 24.7" (LT)
D	= 19° 45' 25.8"
L	= 306.34'
T	= 169.20'
R	= 290.00'

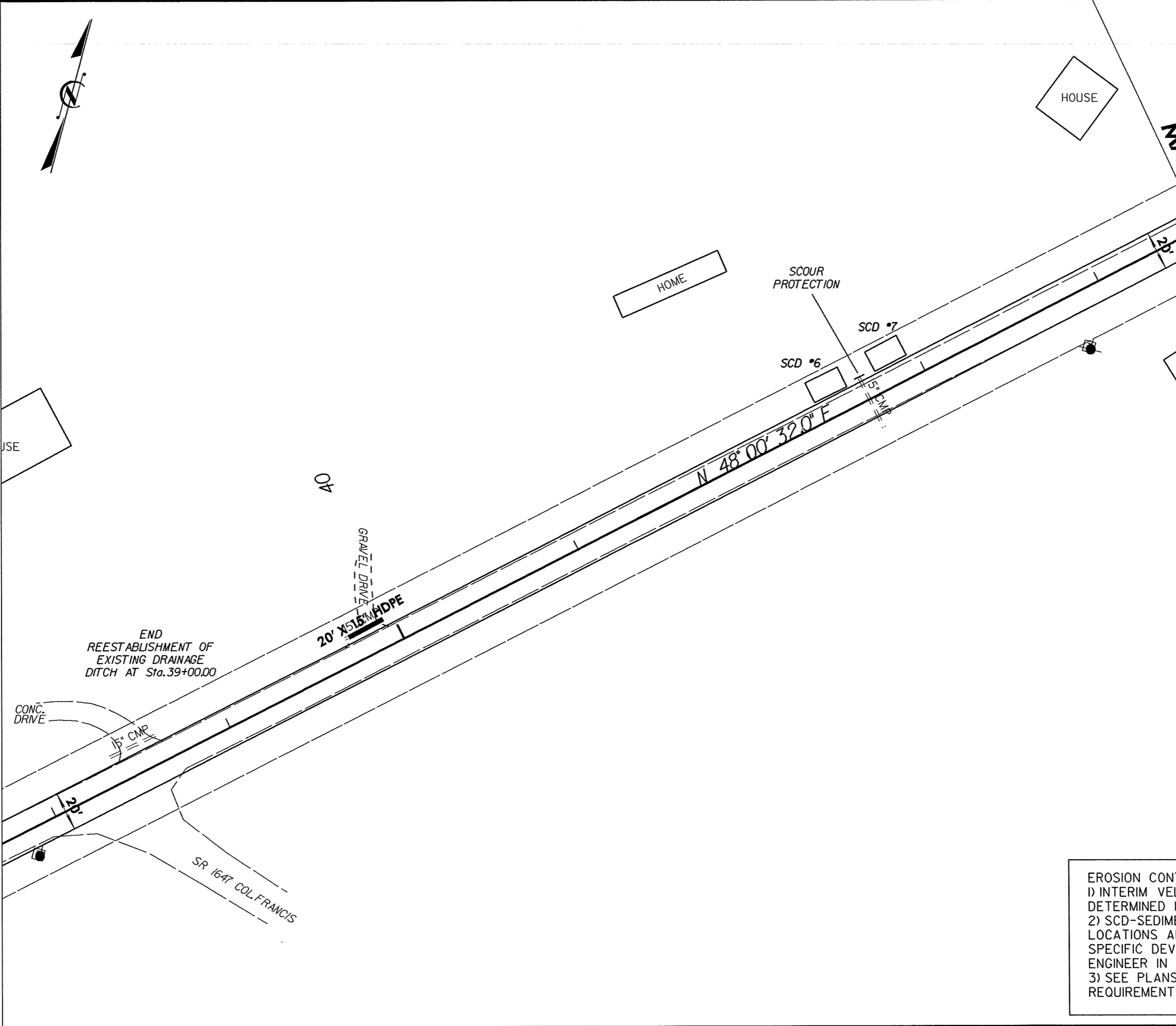
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 aladams

PROJECT REFERENCE NO. SR 1573	SHEET NO. 8
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER



MATCHLINE SEE SHEET 7

MATCHLINE SEE SHEET 9



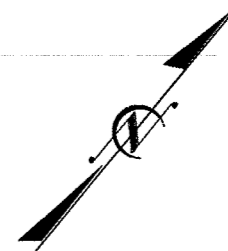
**EROSION CONTROL NOTES**  
 1) INTERIM VELOCITY CONTROL TO BE DETERMINED IN FIELD BY ENGINEER,  
 2) SCD—SEDIMENT CONTROL DEVICE LOCATIONS ARE DETERMINE ON PLANS. SPECIFIC DEVICE TO BE DETERMINED BY ENGINEER IN FIELD.  
 3) SEE PLANS FOR DITCHLINER REQUIREMENTS.

REVISIONS

19-MAR-2012\_09:28  
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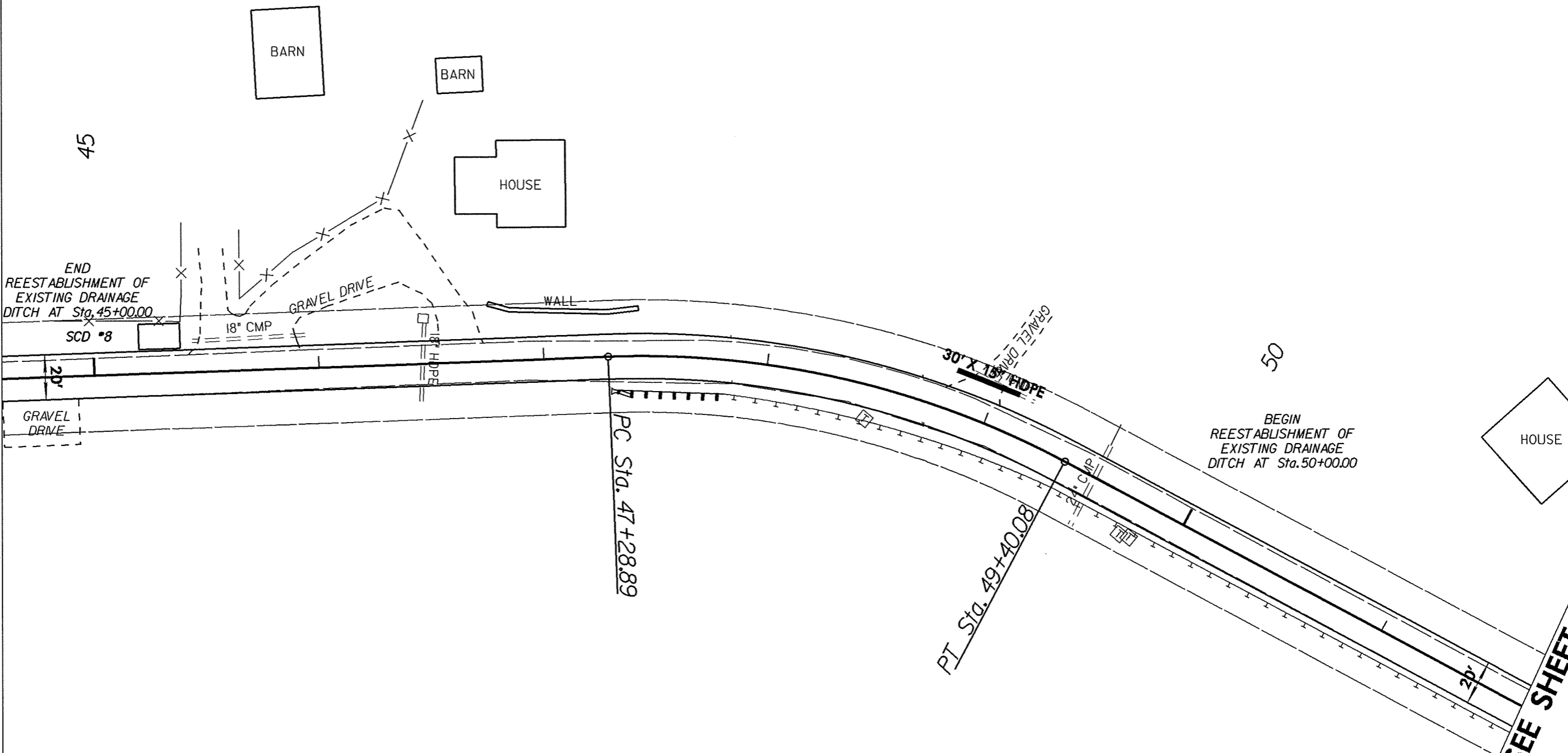


PROJECT REFERENCE NO. SR 1573	SHEET NO. 9
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER



MATCHLINE SEE SHEET 8

MATCHLINE SEE SHEET 10



END REESTABLISHMENT OF EXISTING DRAINAGE DITCH AT Sta. 45+00.00

BEGIN REESTABLISHMENT OF EXISTING DRAINAGE DITCH AT Sta. 50+00.00

EROSION CONTROL NOTES  
 1) INTERIM VELOCITY CONTROL TO BE DETERMINED IN FIELD BY ENGINEER,  
 2) SCD-SEDIMENT CONTROL DEVICE LOCATIONS ARE DETERMINE ON PLANS. SPECIFIC DEVICE TO BE DETERMINED BY ENGINEER IN FIELD.  
 3) SEE PLANS FOR DITCHLINER REQUIREMENTS.

-L-

PI Sta 48+37.01  
 $\Delta = 30^{\circ} 15' 02.6''$  (RT)  
 $D = 14^{\circ} 19' 26.2''$   
 $L = 211.19'$   
 $T = 108.12'$   
 $R = 400.00'$

REVISIONS  
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PROJECT REFERENCE NO. SR 1573	SHEET NO. 10
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER



END PROJECT  
POT Sta. 58+77.31

PT Sta. 58+55.91

55

PC Sta. 55+53.61

END  
REESTABLISHMENT OF  
EXISTING DRAINAGE  
DITCH AT Sta. 53+00.00

SCD #9

N 78° 15' 34.6" E

SPECIAL GUARDRAIL  
ATTCHMENT TO EXISTING  
STRUCTURE TO BE APPROVED  
BY DIVISION BRIDGE ENGINEER

SR 1567 CHESTNUT HILL RD.

36' CMP

MATCHLINE SEE SHEET 9

EROSION CONTROL NOTES  
 1) INTERIM VELOCITY CONTROL TO BE DETERMINED IN FIELD BY ENGINEER,  
 2) SCD-SEDIMENT CONTROL DEVICE LOCATIONS ARE DETERMINE ON PLANS. SPECIFIC DEVICE TO BE DETERMINED BY ENGINEER IN FIELD.  
 3) SEE PLANS FOR DITCHLINER REQUIREMENTS.

-L-  
 PI Sta 57+13.51  
 $\Delta = 46^\circ 11' 18.7'' (LT)$   
 $D = 15^\circ 16' 43.9''$   
 $L = 302.30'$   
 $T = 159.91'$   
 $R = 375.00'$

REVISIONS

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